SHORT COURSE 1: Conceptual Modelling of Geothermal Systems

Length: 2 days
Location: Reykjavik University
Dates: April 25-26, 2020
Convenor: Dr. Gudni Axelsson, Director of geothermal training and research, ÍSOR – Iceland GeoSurvey.
Other lecturers: In addition, at least three international lecturers are expected to join the lecturing team, to be announced later.

Scope of the course:
The Short Course aims at introducing the concept on which conceptual modelling is based and demonstrate their development and use. It will include the following: Introduction to the development of conceptual models. The various types of data used for developing conceptual models. Introduction to software used for 3D visualization of data and conceptual model development. Conceptual model case histories. Using conceptual models for siting wells and resource assessment. Practical exercises.

Course outline:
April 25
08:00-09:00 Registration and coffee
09:00-10:30 Introduction to the development, role and evolution of conceptual models
10:30-11:00 Coffee/tea break
11:00-12:30 The various types of data used for developing conceptual models
12:30-13:30 Lunch break
13:30-15:30 Introduction to software used for 3D visualization of data and conceptual model development (demonstration and hands-on introduction.
15:30-16:00 Coffee/tea break
16:00-17:30 Software introduction continued.

April 26
09:00-10:30 Conceptual model case histories
10:30-11:00 Coffee/tea break
11:00-12:30 Using conceptual models for well targeting and resource assessment.
12:30-13:30 Lunch break
13:30-17:00 Practical exercises in well targeting and resource assessment